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now available on STN  
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NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
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NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 28 Oct 21 EVENTLINE has been reloaded  
  
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CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
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TOTAL

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FULL ESTIMATED COST

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FILE COVERS 1907 - 23 Oct 2002 VOL 137 ISS 17

FILE LAST UPDATED: 22 Oct 2002 (20021022/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s flavon?

L1 34878 FLAVON?

=> s l1 and ascorb?

81895 ASCORB?

L2 921 L1 AND ASCORB?

=> s l2 and oxidation

368961 OXIDATION

4493 OXIDATIONS

370451 OXIDATION

(OXIDATION OR OXIDATIONS)

627791 OXIDN

8038 OXIDNS

629447 OXIDN

(OXIDN OR OXIDNS)

Examiner Anderson 703-605-1157

756497 OXIDATION

(OXIDATION OR OXIDN)

L3 171 L2 AND OXIDATION

=> s l3 and cosmetic

40928 COSMETIC

41850 COSMETICS

55522 COSMETIC

(COSMETIC OR COSMETICS)

L4 3 L3 AND COSMETIC

=> s l4 and glycosylrutin

3 GLYCOSYLRUTIN

L5 0 L4 AND GLYCOSYLRUTIN

=> d ibib abs hitstr l4 1-3

## L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:561789 CAPLUS  
DOCUMENT NUMBER: 131:189496  
TITLE: Application of flavones, flavanones, or flavonoids as protection for ascorbic acid and/or ascorbyl compounds from oxidation

INVENTOR(S): Kruse, Inge; Schoenrock, Uwe  
PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany  
SOURCE: Ger. Offen., 18 pp.  
CODEN: GWXXBX

DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19807774	A1	19980826	DE 1998-19807774	19980224
US 2002013481	A1	20020131	US 1999-243568	19990203
EP 945128	A2	19990929	EP 1999-101745	19990211
EP 945128	A3	19991222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11279167	A2	19991012	JP 1999-41753	19990219
PRIORITY APPLN. INFO.: DE 1998-19807774 A 19980224				
AB Cosmetic or dermatol. preps. for prevention and treatment of skin aging, dermatosis, photodermatitis, etc. which contain ascorbic acid and/or ascorbyl compds. as well as flavones, flavanones, or flavonoids show enhanced effectiveness. The flavones, flavanones, and flavonoids also protect ascorbic acid and ascorbyl compds. in these preps. from oxidn. The effect is further enhanced by addn. of complexing agents. Similar preps. can be used to prevent oxidative damage to the hair from hair dyes and bleaches. Thus, an oil-in-water gel contained xanthan gum 2.00, butylene glycol 3.00, di-Na EDTA 0.20, MgSO4 0.70, 45% NaOH 0.32, ascorbic acid 1.00, $\alpha$ -lipoic-glucosylrutin 0.20, preservative, perfume, dye, and H2O to 100.00 wt.%. REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

## L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:538086 CAPLUS  
DOCUMENT NUMBER: 131:189489  
TITLE: Intercalation compounds and the stabilization of oxidation-sensitive and/or UV-sensitive substances

INVENTOR(S): Scheel, Oliver; Gers-Barlag, Heinrich; Schwieger, Wilhelm; Herrmann, Ralph  
PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany  
SOURCE: Ger. Offen., 16 pp.  
CODEN: GWXXBX

DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19805572	A1	19990819	DE 1998-19805572	19980212
AB Oxidn.-sensitive and/or UV-sensitive substances in cosmetic and dermatol. sunscreen preps. are protected by incorporation into intercalation compds. with nanoporous solid carriers such as aluminophosphates, zeolites, or layered silicates with a mean pore size .gtoreq.0.7 nm. Thus, a soln. of 15 g 4-(tert-butyl)-4'-methoxydibenzoylmethane (I) in 1 L EtOH was mixed with 110 g aluminophosphate VPI-5 (Al18P18O72.42H2O) and the mixt. was stirred for 14 days at room temp. and then at 77.degree. for 7 h. The intercalate was sepd., washed with EtOH, dried, and held at 100.degree. for 3 h, whereupon the pore size of the carrier decreased, resulting in fixation of I in the pores of the aluminophosphate. An oil-in-water sunscreen lotion contained this intercalate 10.00, glyceryl stearate 3.50, stearic acid 1.80, glycerin 3.00, cetostearyl alc. 0.50, 45% NaOH 0.20, octyldodecanol 7.00, dicapryl ether 8.00, 2,4,6-trianilino-(p-carbo-2'-ethyl-1'-hexyloxy)-1,3,5-triazine 3.00, 2-ethylhexyl p-methoxycinnamate 8.00, 2,2-dimethyl-1,3-propanediol diheptanoate 6.00, Carbomer 0.20, preservative, perfume, and demineralized water to 100.00 wt.%. REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

## L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:237416 CAPLUS  
DOCUMENT NUMBER: 131:49174  
TITLE: Natural and synthetic antioxidants in cosmetics

AUTHOR(S): Gora, Josef  
CORPORATE SOURCE: Inst. Podstaw Chem. Zywosci, Politech. Lodzka, Lodz, Pol.  
SOURCE: Pollena: Tluszcze, Srodki Piorace, Kosmetyki (1997), 41(8), 321-328  
CODEN: PTSKDF; ISSN: 0208-8711

PUBLISHER: Bointe Centre  
DOCUMENT TYPE: Journal: General Review  
LANGUAGE: Polish

AB A review with 9 refs. The relation between antioxidants and good health has been long established. In terms of beauty and functionality, recent studies have indicated that certain antioxidants enhance the performance of cosmetics and toiletries and play an important role in hair, skin, and nails. Natural and synthetic antioxidants inhibit oxidn. of unsatd. lipids. They function as electron donors and react directly with free radicals. Natural antioxidants such as vitamin E, esters of ascorbic acid, rosmarinic acid, and flavonoids have a major role in providing protection against internal and external free radical generators and scavenge reactive oxygen species involved in the initiation of lipid peroxidn., such as singlet oxygen and superoxide radicals.

=> log y

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FULL ESTIMATED COST

16.59

16.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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